MSGP Quarterly Visual Assessment Form

(Complete a separate form for each outfall you assess)

Sample Duration:

DEGETVE	
JUL 2 5 2012	
By 4:08-pm - 4:53 pm	

Name of Facility: Kane So	erap Iron and Metal, Inc.	Permit No.:		MAR05DY90		
	East Meadow Street	City: Cl	nicopee State:	MA Zip Code: 01013		
Outfall Number: DA-001	"Substantially Identical Outfall"?	X No	E Yes (identify S	Substantially Identical Outfalls):		
Quarter/Year: 2nd Quarter - 2012 (4/1 to 6/30)	Substitute Sample?: X No be collected):	□ Yes (identify q	uarter/year when sample	e was originally scheduled to		
Person(s)/Title(s) collecting sample:	Robert E. Kane III - Non-Ferrous Met	tals Manager				
Person(s)/Title(s) examining sample:	Robert E. Kane III - Non-Ferrous Met	tals Manager				
Date & Time Storm or Snowmelt Began:	Date & Time Sample Collected:		Date & Time Sample	Examined:		
6/22/2012 @ 4:08 pm	6/22/2012 @ 4:	30 pm	6/	/23/2012 @ 9:00 am		
Nature of Discharge: X Rainfall	☐ Snowmelt ☐ Not Appl	licable				
Rainfall Amount: 0.02 inches	Previous Storm Ended > 72 hours B	Sefore Start of This Storn	n? X Yes	□ No* (explain): □ Not Applicable		
	Para	ameter				
Color:	□ None X Other (describe):	Light Brown				
Odor:	☐ None X Musty ☐ Sewage ☐ Other (describe):	Sulfur Sour	☐ Petroleum/Gas	□ Solvents		
Clarity:	Clear Slightly Cloudy	Cloudy X Opaque	Other (describe):			
Floating Solids:	No X Yes (describe): Fine F		,			
Settled Solids**:	No X Yes (describe): Fine P		<u>-</u> -			
Suspended Solids:	X No Yes (describe):					
Oil Sheen:	X None Flecks Globs	□ Sheen □ Slick	COther (describe):			
Foam (gently shake sample):	X No		<u>i</u>			
Other Obvious Indicators of Storm Water Pollution:	X No					
*The 72 hour interval can be waived when the less than a 72 hour interval is representative of **Observe for settled solids after allowing the Sampling not performed due to adverse cond	local storm events during the samplir sample to sit for approximately one-ha	ng period. alf hour.	· · · · · · · · · · · · · · · · · · ·			
Sampling not performed due to no measurab No Yes (explain):	le storm event occurring that resulted	d in a discharge during	the monitoring quarter:	:		
Detail any concerns, additional comment sheets as necessary).	s, descriptions of pictures taken, a	and any corrective act	ions taken below (att	ach additional		
Certification by Facility Responsible Official I certify under penalty of law that this docume qualified personnel properly gathered and eva directly responsible for gathering the informat are significant penalties for submitting false in	nt and all attachments were prepared luated the information submitted. Bas ion, the information submitted is, to the	under my direction or s sed on my inquiry of the he best of my knowledge	supervision in accordanc e person or persons who e and belief, true, accura	manage the system, or those persons		
A. Name: Robert E. Kane III		B. Title: Non-Ferro	ous Metals Manager			
C Signature:	** • • • • • • • • • • • • • • • • • •	D. Date Signed:	6/23/2012			

Perunt HAR &SDY98

MSGP Quarterly Visual Assessment Form

(Complete a separate form for each outfall you assess)

Sample Duration:

4:08 pm - 4:55 pm

Name of Facility: Kane S	crap Iron and Metal, Inc.	Permit No.:				MAR05DY90		
	1 East Meadow Street	City:		copee	State:	MA	Zip Code:	01013
Outfall Number: DA-002	"Substantially Identical Outfall"?	1	X No	□ Yes	(identify	Substantially Id	entical Outfal	ls):
- 12	Substitute Sample?: X No	□ Yes	tidentify our	arter/vear w	hen sampl	e was originally	scheduled to	·
Quarter/Year: 2012 2nd Quarter - 2012 (4/1 to 6/30)	Substitute Sample?: X No be collected):	Lics	nucliniy qua		men sump			
Person(s)/Title(s) collecting sample:	Robert E. Kane III - Non-Ferrous Met	als Manager						
Person(s)/Title(s) examining sample:	Robert E. Kane III - Non-Ferrous Met	als Manager	·	·				
Date & Time Storm or Snowmelt Began:	Date & Time Sample Collected:			Date & Ti	•	e Examined:		
6/22/2012 @ 4:08 pm	6/22/2012 @ 4:3	30 pm		<u> </u>	6,	/23/2012 @ 9:0	0 am	
Nature of Discharge: X Rainfall	☐ Snowmelt ☐ Not Appli	icable						
Rainfall Amount: 0.02 inches	Previous Storm Ended > 72 hours Bo	efore Start o	f This Storm?		X Yes	□ No* (explai	n): 🗆 Not Appli	cable
	Para	meter						
Color:	□ None X Other (describe):	Light Brov	/n					
	□ None X Musty □ Sewage	□ Sulfur	□ Sour	Petroleu	m/Gas	Solvents		
Odor:	C Other (describe):	E 011.	V 0	C Other (d.	anamihalı			
Clarity:	Clear Slightly Cloudy	Cloudy	X Opaque	COther (de	escribe):			
Floating Solids:	□ No X Yes (describe): Fine P							
Settled Solids**:	No X Yes (describe): Fine Pa	articulate				·		
Suspended Solids:	X No	1000 - 111	1001 	= 0.1 (1				
Oil Sheen:	X None Flecks Globs	□ Sheen	C Slick	Other (d	escribe):			
Foam (gently shake sample):	X No							
Other Obvious Indicators of Storm Water Pollution:	X No							
*The 72 hour interval can be waived when the less than a 72 hour interval is representative of **Observe for settled solids after allowing the Sampling not performed due to adverse cond	f local storm events during the samplin sample to sit for approximately one-ha	g period. If hour.						
Sampling not performed due to no measurab	ole storm event occurring that resulted	l in a disch	orge during th	he monitori	ng quartei	•		
Detail any concerns, additional commensheets as necessary).	ts, descriptions of pictures taken, a	and any co	rrective actio	ons taken l	below (at	tach additiona	al	
Certification by Facility Responsible Official	(Refer to MSGP Subpart 11 Appendix	B for Signat	tory Requirem	ıents).				
I certify under penalty of law that this docum- qualified personnel properly gathered and ev- directly responsible for gathering the informa- are significant penalties for submitting false in	ent and all attachments were prepared aluated the information submitted. Bas tion, the information submitted is, to the	under my d ed on my ir ne best of m	lirection or su quiry of the p y knowledge :	pervision ir person or pe and belief, t	rsons who rue, accura	manage the system, and comple	stem, or those	e persons
A. Name: Robert E. Kane III		B. Title:	Non-Ferrou	ıs Metals Ma	anager			
C Signature:	-6-0	D. Date S	igned:	6/23/201	2			

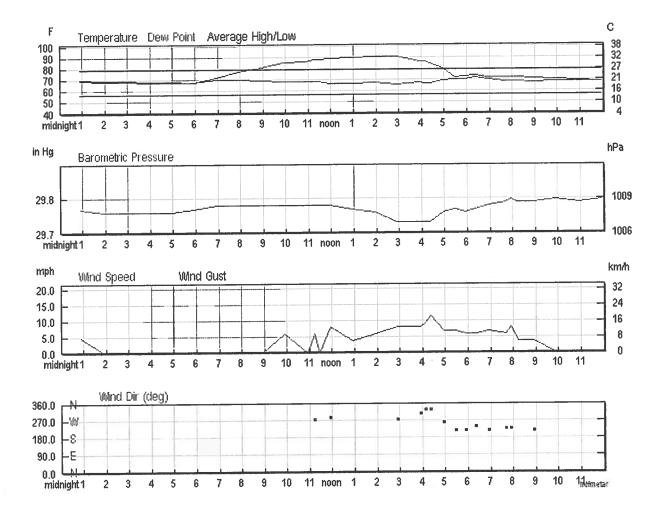
History for Chicopee, MAFriday, June 22, 2012 — View Current Conditions

D : D	June	22	2012	View	Next Day »
« Previous Day			<u></u>		
Daily Weekly Monthly Custom					
		Actual		Average	Record
Temperature					
Mean Temperature	79 °F			-	
Max Temperature	91 °F			79 °F	91 °F (1997)
Min Temperature	67 °F			57 °F	50 °F (2007)
Cooling Degree Days	14				
Growing Degree Days	29 (Base 50)			
Moisture					
Dew Point	68 °F				
Average Humidity	77				
Maximum Humidity	99				
Minimum Humidity	43				
Precipitation					
Precipitation	0.02 in			-	- ()
Sea Level Pressure					
Sea Level Pressure	29.77 in				
Wind					
Wind Speed	3 mph (Wes	st)			
Max Wind Speed	12 mph				
Max Gust Speed	-				
Visibility	9 miles				
Events	Rain , Thun				
Averages Click here for data from the near	and records for est station with o	this station official NWS	are not office are not office data	cial NWS values L).	S.v.

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summary

Seasonal Weather Averages



Report Date: 09-Jul-12 10:54



☐ Final Report
☐ Re-Issued Report

□ Revised Report

Laboratory Report

Environmental Compliance Services 588 Silver Street Agawam, MA 01001 Attn: Todd Donze

Project: Kane Scrap Iron + Metal Inc - Chicopee, MA

Project #: 01-215977.11.00

<u>Laboratory ID</u>	Client Sample ID	<u>Matrix</u>	Date Sampled	Date Received
SB51737-01	DA-001	Storm Water	22-Jun-12 00:00	25-Jun-12 16:15
SB51737-02	DA-002	Storm Water	22-Jun-12 00:00	25-Jun-12 16:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110 Connecticut # PH-0777 Florida # E87600/E87936 Maine # MA138 New Hampshire # 2538 New Jersey # MA011/MA012 New York # 11393/11840 Pennsylvania # 68-04426/68-02924 Rhode Island # 98 USDA # S-51435



Authorized by:

Nicole Leja Laboratory Director

Ticolo Leja

Spectrum Analytical holds certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts does not offer certification for all analytes.

Please note that this report contains 7 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The samples were received 1.2 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

HACH8000

Samples:

SB51737-01

DA-001

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chemical Oxygen Demand

SB51737-02

DA-002

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Chemical Oxygen Demand

Sample Identification DA-001

SB51737-01

Client Project # 01-215977.11.00

Matrix Storm Water Collection Date/Time 22-Jun-12 00:00 Received 25-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Total Met	als by EPA 200/6000 Series	Methods											
	Preservation	Field Preserved		N/A			1	EPA 200/6000 methods			BJW	1215238	
Total Met	als by EPA 200 Series Metl	ıods											
7429-90-5	Aluminum	15.2		mg/l	0.0250	0.0167	1	EPA 200.7	02-Jul-12	05-Jul-12	EDT	1215747	Х
7440-50-8	Copper	1.62		mg/l	0.0050	0.0024	1	46	•	•	**	•	Х
7439-89-6	Iron	34.9		mg/l	0.0150	0.0098	1	45	Ŧ	•	**	•	Х
7439-92-1	Lead	1.14		mg/l	0.0075	0.0028	1				**	•	Х
7440-66-6	Zinc	1.56		mg/l	0.0050	0.0025	1		•	•	10		Х
General C	hemistry Parameters												
	Hardness	294		mg/I CaCO3	0.291	0.242	1	SM 2340B	02-Jul-12	05-Jul-12	EDT	1215747	Х
	Chemical Oxygen Demand	707	GS1	mg/l	100	32.5	1	HACH8000	02-Jul-12	02-Jul-12	CAA	1215799	Х
	Total Suspended Solids	570		mg/l	25	16	1	SM2540D	27-Jun-12	28-Jun-12	BD	1215358	Х

Sample-Identification

DA-002 SB51737-02 Client Project # 01-215977.11.00

Matrix Storm Water Collection Date/Time 22-Jun-12 00:00 Received 25-Jun-12

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Met	als by EPA 200/6000 Series	Methods											
	Preservation	Field Preserved		N/A			1	EPA 200/6000 methods			BJW	1215238	
Total Met	als by EPA 200 Series Meth	nods											
7429-90-5	Aluminum	11.9		mg/l	0.0250	0.0167	1	EPA 200.7	02-Jul-12	05-Jul-12	EDT	1215747	х
7440-50-8	Copper	0.879		mg/l	0.0050	0.0024	1	•		•	**	•	Х
7439-89-6	Iron	24.3		mg/l	0.0150	0.0098	1	20 0 .5	*	•	D	(4)	х
7439-92-1	Lead	0.790		mg/l	0.0075	0.0028	1	*			10	•	Х
7440-66-6	Zinc	0.840		mg/l	0.0050	0.0025	1	•	•	•	n	•	Х
General C	Chemistry Parameters												
	Hardness	175		mg/l CaCO3	0.291	0.242	1	SM 2340B	02-Jul-12	05-Jul-12	EDT	1215747	Х
	Chemical Oxygen Demand	420	GS1	mg/l	100	32.5	1	HACH8000	02-Jul-12	02-Jul-12	CAA	1215799	х
	Total Suspended Solids	428		mg/l	10	6	1	SM2540D	27-Jun-12	28-Jun-12	BD	1215358	Х

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limi
Batch 1215747 - EPA 200 Series										
Blank (1215747-BLK1)					Pre	pared: 02-Jul-	12 Analyzed:	05-Jul-12		
Zinc	< 0.0050		mg/l	0,0050						
Lead	< 0,0075		mg/l	0.0075						
Iron	< 0.0150		mg/l	0.0150						
Copper	< 0.0050		mg/l	0,0050						
Aluminum	< 0.0250		mg/l	0.0250						
LCS (1215747-BS1)					Pre	pared: 02-Jul-	12 Analyzed:	05-Jul-12		
Lead	1.29		mg/l	0.0075	1,25		103	85-115		
Iron	1.31		mg/l	0.0150	1,25		105	85-115		
Zinc	1.30		mg/l	0.0050	1.25		104	85-115		
Copper	1.28		mg/l	0.0050	1.25		102	85-115		
Aluminum	1.32		mg/l	0.0250	1.25		105	85-115		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1215358 - General Preparation			*							
Blank (1215358-BLK1)					Pre	pared & Analy	zed: 27-Jun-12			
Total Suspended Solids	< 5		mg/l	5						
LCS (1215358-BS1)					<u>Pre</u>	pared & Analy	zed: 27-Jun-12			
Total Suspended Solids	90		mg/l	10	100		90	90-110		
Batch 1215747 - EPA 200 Series										
Blank (1215747-BLK1)					<u>Pre</u>	pared: 02-Jul-	12 Analyzed:	05-Jul-12		
Hardness	< 0,291		mg/l CaCO3	0.291						12
LCS (1215747-BS1)					<u>Pre</u>	pared: 02-Jul-	12 Analyzed:	05-Jul-12		
Hardness	21.8		mg/I CaCO3	0.291	20.8		105	85-115		
Batch 1215799 - General Preparation										
Blank (1215799-BLK1)					<u>Pre</u>	pared & Analy	zed: 02-Jul-12			
Chemical Oxygen Demand	< 5.00		mg/l	5.00						
LCS (1215799-BS1)					Pre	pared & Analy	zed: 02-Jul-12			
Chemical Oxygen Demand	48.5		mg/l	5.00	50.0		97	90-110		
Calibration Blank (1215799-CCB1)					Pre	pared & Analy	zed: 02-Jul-12			
Chemical Oxygen Demand	1.18		mg/l							
Calibration Blank (1215799-CCB2)					Pre	pared & Analy	zed: 02-Jul-12			
Chemical Oxygen Demand	2.31		mg/l							
Calibration Blank (1215799-CCB3)					Pre	pared & Analy	zed: 02-Jul-12			
Chemical Oxygen Demand	0.650		mg/l							
Calibration Check (1215799-CCV1)					<u>Pre</u>	pared & Analy	rzed: 02-Jul-12			
Chemical Oxygen Demand	47.3		mg/l	5.00	50.0		95	90-110		
Calibration Check (1215799-CCV2)					<u>Pre</u>	pared & Analy	zed: 02-Jul-12			
Chemical Oxygen Demand	48.4		mg/l	5.00	50.0		97	90-110	14	
Calibration Check (1215799-CCV3)					<u>Pre</u>	pared & Analy	zed: 02-Jul-12			
Chemical Oxygen Demand	46.6		mg/l	5.00	50.0		93	90-110		
Reference (1215799-SRM1)					Pre	pared & Analy	zed: 02-Jul-12			
Chemical Oxygen Demand	47.9		mg/l	5.00	58.0		83	82-113		

Notes and Definitions

GS1 Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

dry Sample results reported on a dry weight basis

NR Not Reported

RPD Relative Percent Difference

<u>Laboratory Control Sample (LCS)</u>: A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

<u>Matrix Spike</u>: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

<u>Surrogate</u>: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

<u>Continuing Calibration Verification:</u> The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by: Nicole Leia



Report To:

Tode S. 23

Don te

Invoice To:

Schw C

Project No.:

01.215477.11.00

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-		
Standard TAT - 7 to 10 business days	Special Handling:	
to 10	Han	
busir	dling	
less	•••	
days		

- ☐ Standard TAT 7 to 10 bus
 ☐ Rush TAT Date Needed:
- All TATs subject to laboratory approval.

 Min. 24-hour notification needed for rushes.

 Samples disposed of after 60 days unless otherwise instructed.

Sampler(s):	Location:	Site Name:
Sampler(s): Y. Kume #	Location: CMico pee	Site Name: Kane Scrap Irunt Metal, Inc
电井	e	Scrap Is
	State	DAT Me
	State: WW	trid June

70 0	1737-01	Lab Id:		VI= NO	0=0il SW	DW=Drinking	8= NaHS	l=Na ₂ S
700- AC	DA-001	Sample Id:	G=Grab C=Composite	VI= ALO MANDIO VY=	O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air	DW=Drinking Water GW=Groundwater WW=Wastewater	8= NaHSO ₄ 9= Deionized Water	I=Na ₂ S2O ₃ 2=HCl 3=H ₂ SO ₄
6/22/16	6/22/12	Date:	composite		-Soil SL=Sludy	ndwater WW=V	ater 10= H ₃ PO ₄ 11=	2SO ₄ 4=HNO ₃
		Time:			c A=Air	Vastewater		4=HNO ₃ 5=NaOH 6=Ascorbic Acid
C	0	Туре					tice	6=Asc
C X	1	Matrix						orbic A
		# of VOA Vial s					12=	
		# of Amber Glass				Cor		7=CH ₃ OH
		# of Clear Glass				Containers:		O ^c H.
لها	لما	# of Plastic				IS:		Ξ
							-	
X	XXX	COD					1,0	
^	X	TSS					3	ist p
X		Pb+Zu				A	HEH 12 124	reserv
×	X	Hurdness Analyses					15.6	List preservative o
						S:		ode t
					_			ode below
		Other Other	□ NY ASP A* □ NY ASP B*	QA/QC Reporting Level Standard No QC DQA*	CT DPH RCP Report: Yes □ No 🜓	MA DEP MCP CAM Report: Yes I No.	 additional charges may apply 	QA/QC Reporting Notes:

1737-0

Project Mgr. Todal Dunze

P.O. No.:

RQN: UCC1

Telephone #: 412. 784-353

11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com

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□ E-mail to tclowce

Beerconsult, com

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Revised Feb 2012

588 Silver Street, Agawam, MA 01001 tel 413.789.3530 fax 413.789.2776 www.ecsconsult.com

Environmental Protection Agency Office of Water, Water Permits Division Code 4203M, ATTN: MSGP Reports Pennsylvania Avenue, NW Washington, D.C. 20460

RE: NPDES Multi-Sector General Permit

Quarterly Benchmark Monitoring Results Quarterly Visual Examination Form Quarter: April 1, 2012 – June 30, 2012 MSGP Tracking Number: MAR05DY90 July 25, 2012 Project No. 01-215977.00.00 Document No.

Dear Sir/Madam:

On behalf of Kane Scrap Iron and Metal, Inc. (Kane) and in accordance with the requirements of the 2008 Multi-Sector General Permit regarding Storm Water Discharge Associated with Industrial Activity (MSGP) under the National Pollutant Discharge Elimination System (NPDES), Environmental Compliance Services, Inc. (ECS) is providing the attached Quarterly Visual Examination Form(s) and Quarterly Benchmark Monitoring Results for samples collected at the facility located at 184 East Meadow Street in Chicopee, Massachusetts, during the April 1, 2012 – June 30, 2012 monitoring period.

If you have any questions and/or concerns regarding any of this information, please do not hesitate to contact this office at (413) 789-3530 at your convenience.

Sincerely,

ENVIRONMENTAL COMPLIANCE SERVICES, INC.

Todd Donze

Environmental Scientist